OSS System Name	Function	System Function	Modifications Required	Reason for Modification
EMAC	P	Enhanced Mechanized Assignment and Control system, inventories and assigns inside and outside plant facilities (for Wisconsin Only)	Conversion to SWITCH/FOMS.	EMAC was unable to support LNP functionality because it could not recognize the appropriate USOCs & FIDs for LNP provisioning. EMAC must be replaced with the FACS provisioning systems (SOAC, LFACS & SWITCH) which enable the provisioning of LNP.
LIDB	N	Line Information Data Base. Keeps calling card and third party billing information.	Add new field to identify the billing service provider associated with each number	LIDB was upgraded to house and interpret new information required for validation and billing to identify TN ownership in a portability enviornment at the line level.
IBM Global Services		(OSS Hardware maintenance contractor).	Contract cost increases associated with LNP to lease and maintain additional hardware and monitor LNP communication links	Additional support/monitoring for new LNP hardware and communication links added to support LNP query traffic.
LMOS/MLT	R	Stores line record information (office equipment, cable pair, serving CO, class of service, features, etc.) by telephone number. Repair centers issue trouble reports via LMOS, which also keeps a history and tracks repair status.	Upgrade to application software	Modifications required to enable LMOS/MLT to recognize Exchange Key data to determine the appropriate serving office, since NPA-NXX tracking is no longer valid in an LNP environment.
Net Pilot	N	Extracts and steers global title translation information downloaded from the NPAC.	New OSS for the SS7 Signaling Network. Allows a multi-vendor CCS SS7 network to route calls correctly.	Software package required to perform LNP related Global Title Translations (GTT) on Signaling Transfer Point (STP) platforms.
NPAC	N	Neutral 3rd Party Porting Database	New System to track ported numbers.	Required 3rd Party system that broadcasts and stores LNP data for the industry.

OSS System Name	Function	System Function	Modifications Required	Reason for Modification
NSDB	R	Maintenance support database for trunks and special service circuits. Provides information for each circuit on order activity, associated facilities, billing and services. Linked to WFA/C (see below).	Add new screen for database administration associated with Ported out TN database. Allows creation and/or deletion of records and enables appropriate fields to be added and/or updated.	Enables maintenance support personnel to recognize LNP circuits during trouble resolution.
Number Manager	N	Receives LNP data downloads from the NPAC SMS for network routing data, and broadcasts it to Ameritech's CSMS/SCP ("Classic" Service Management System/Switching Control Point).	New System to interface the NPAC with Ameritech's CSMS.	Enables appropriate network routing of calls to ported numbers to facilitate implementation of LRN technology.
Order Path	N	Service Order Administration System linked to the NPAC SMS. Enables the processing of Ameritech's service orders, broadcasts them to the NPAC to coordinate porting activity, and performs other administrative functions.	New System to process Ameritech's LNP Service Orders.	This system is required to post porting activity to the NPAC SMS database.
SWITCH/FOMS	P	Inventories and assigns inside plant facilities. This is Ameritech's Telephone Number Inventory Database.	Interface between SWITCH and SOAC to broadcast orders.	Permits the SWITCH system to indicate, track, and inventory ported telephone numbers, providing the ability to add imported TNs to the inventory and indicate ported out TNs, avoiding double assignment of TNs.
SOAC	N	Service Order Analysis and Control system receives service orders and broadcasts them to the NPAC to coordinate porting activity.	New tables and coding. Also new interface for SOA.	Required to recognize and parse LNP data for downstream Operations Support Systems.

OSS System Name	Function	System Function	Modifications Required	Reason for Modification
WFA/C, WFA/DI	R	Work Force Administration and dispatch Databases. Used to issue trouble tickets for inside central office forces (WFA/DI) and outside special services (WFA/C). Tracks repair progress and maintains trouble history.	The enhancement of WFA/C Maintenance interface to retrieve and pass LNP indicators. Modifications of WFA/DI maintenance interface to receive and process new porting indicators.	Permits maintenance support personnel to recognize LNP circuits during trouble resolution.
MARCH	P	Mechanized translations interface from SOAC to input TN line translations directly into switch platforms.	New LNP fields interpreted from Service Order on a 10 Digit basis	Provides the capability to receive new LNP translations and FIDS (Field Identifiers).
911 LNP	N	Emergency Services Database	Adds LNP field identifiers and PSAP designations.	LNP required modifications to identify the proper serving TC. New fields were required to reflect the SPID (Service Provider ID).
MYNAH/PAWS	P	Distribution system for service orders that require manual assistance.	New LNP scripting program to identify LNP orders and alert affected work centers to their presence.	Some systems are unable to trigger LNP exception order processing. These include COSMOS and SPS. This system intervenes for LNP provisioning processing and emulates manual processes to enable mechanization.
Link Monitoring	R	Provides the ability to collect and present a complete record of all SS7 messages associated with a call. Used for detection of SS7 Network problems before they become service affecting, and for query/response tracking.	Adds additional monitoring points, real-time Remote Access from a Centralized location, data base dip monitoring, and time stamp capability. Provides SS7 network congestion monitoring, call volumes and usage pattern analysis.	Because call set messages up go to many more places, additional points within the SS7 network must be monitored in a mechanized fashion.

CERTIFICATE OF SERVICE

I, Todd H. Bond, do hereby certify that a copy of the foregoing Comments of Ameritech in Response to Request for Further Comments has been served on all parties of record, via first class mail, postage prepaid, on this 3rd day of August, 1998.

By: _Todd H. Bond_
      Todd H. Bond